

Application No. 10/776,252
Amendment dated July 23, 2007
Reply to Office Action of March 22, 2007

Docket No.: 0941-0915P

REMARKS

Claims 1-24 remain present in this application.

The specification and claims 1, 3-5, 7-9, 11-13, 17-20, and 22-24 have been amended.

Reconsideration of the application, as amended, is respectfully requested.

Objection to the Title

The title stands objected as not being descriptive. Applicants respectfully disagree, as the present invention is related to a pump. Accordingly, reconsideration and withdrawal of any objection to the title are respectfully requested.

Objections to the Drawings

The drawings stand objected to under 37 CFR 1.83(a). Regarding the conducting plate of claim 14 and claim 15, the Examiner's attention is drawn to Figs. 2A and 2B and page 5, lines 24-28 of this specification, wherein reference numeral 29 represents the conducting plate. Regarding the corrugated portion of claim 9, the Examiner's attention is drawn to Figs. 2A and 2B and page 7, lines 15-17 of the specification, wherein reference numeral 2711 represents the corrugated portion. Accordingly, it is respectfully submitted that every feature of the invention specified in the claims is shown in the drawings. Reconsideration and withdrawal of any objection to the claims are respectfully requested.

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Rejection under 35 USC 112

Claims 4 and 13 stand rejected under 35 USC 112, second paragraph. This rejection is respectfully traversed.

In claim 4, "the first and the second bases are electrically insulated" has been changed to --the first and the second bases comprise insulating materials--. In claim 13, "the housing comprises permeable material" has been changed to --the housing is composed of permeance material--, wherein permeance means a measure of the ability of a magnetic circuit to conduct magnetic flux. In view of the foregoing amendments, it is respectfully submitted that the claims particular point out and distinctly claim the subject matter of the instant invention. Accordingly, reconsideration and withdrawal of the 35 USC 112, second paragraph rejection is respectfully requested.

Rejection under 35 USC 102

Claims 1-8, 16-19, and 21-23 stand rejected under 35 USC 102(b) as being anticipated by Vibber et al., U.S. Patent 2,925,814. This rejection is respectfully traversed.

Independent claim 1 discloses a pump, comprising a housing (21) having an intake (212) and an output (211), a conductor (22) movably disposed in the housing, at least one valve (27,28) disposed between the housing and the conductor, wherein one end of the valve is connected to the conductor, a first coil(23) disposed in the housing(21) and generating a magnetic force for attracting the conductor(22) and the valve(27,28) toward the output(211) when electrified such that fluid therebetween flows out of the housing, and a second coil(24) disposed in the housing(21) and generating a magnetic force for attracting the conductor(22) and the

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valve(27,28) toward the intake(212) when electrified such that fluid therebetween flows between the conductor and the output.

The Examiner asserts that F. L. Vibber et al show all of characteristics in claim 1. Applicant respectfully disagrees. In amended claim 1, the first coil 23 and the second coil 24 are both disposed in the housing 21. In Vibber, however, the coil 40 and the coil 44 are not disposed in the housing 30, as shown in Fig.2.

Moreover, in independent claim 1 of the present application, the valves 27 and 28 can be moved by conductor 22. In Vibber, however, the valves 62 and 64 are not moveable. The flow is exported and carried into the housing 30 by deforming valve element 70 and 66 (see column 4, lines 18-32). Obviously, the structure and the driving function in independent claim 1 are different from those of Vibber.

In view of the foregoing amendments and remarks, it is respectfully submitted that the prior art utilized by the Examiner fails to teach or suggest the pump of independent claim 1 and its dependent claims. Reconsideration and withdrawal of the 35 USC 102 rejection are respectfully requested.

Allowable Subject Matter

Applicants gratefully acknowledge that the Examiner considers claims 12, 20 and 24 to contain allowable subject matter. However, in view of the foregoing amendments and remarks, it is respectfully submitted that all claims should be in condition for allowance.

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Conclusion

Favorable reconsideration and an early Notice of Allowance are earnestly solicited.

In the event that any outstanding matters remain in this application, the Examiner is invited to contact the undersigned at (703) 205-8000 in the Washington, D.C. area.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

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Respectfully submitted,

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